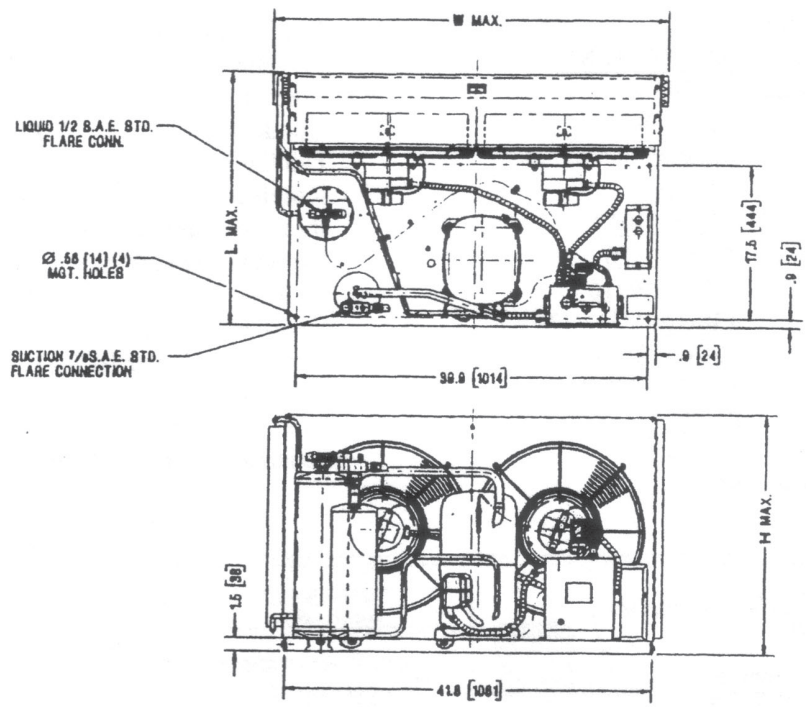
AGA4572EXNXM

April 1, 1997

Revision 2003

# TECUMSEH HERMETIC CONDENSING UNITS

## MODEL AGA4572EXNXM (B/M 2A5060-9) R-22 6 HP AIR COOLED




NOTE: DIMENSIONING = INCHES (MILLIMETERS) MO

| Model | Dimensions | | | | *Line Connection | | Pumpdown 90° F 90% Full | Air CFM | Oil Chg oz. | Gr. Wt. Lbs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | L | W | H | CH | Suct. | Liq. | | | | |
| AGA4572EXNXM | 28.6 | 44.9 | 26.9 | 18.5 | 7/8 S | 1/2 F | 34.7# | 5000 | 65 | 330 |

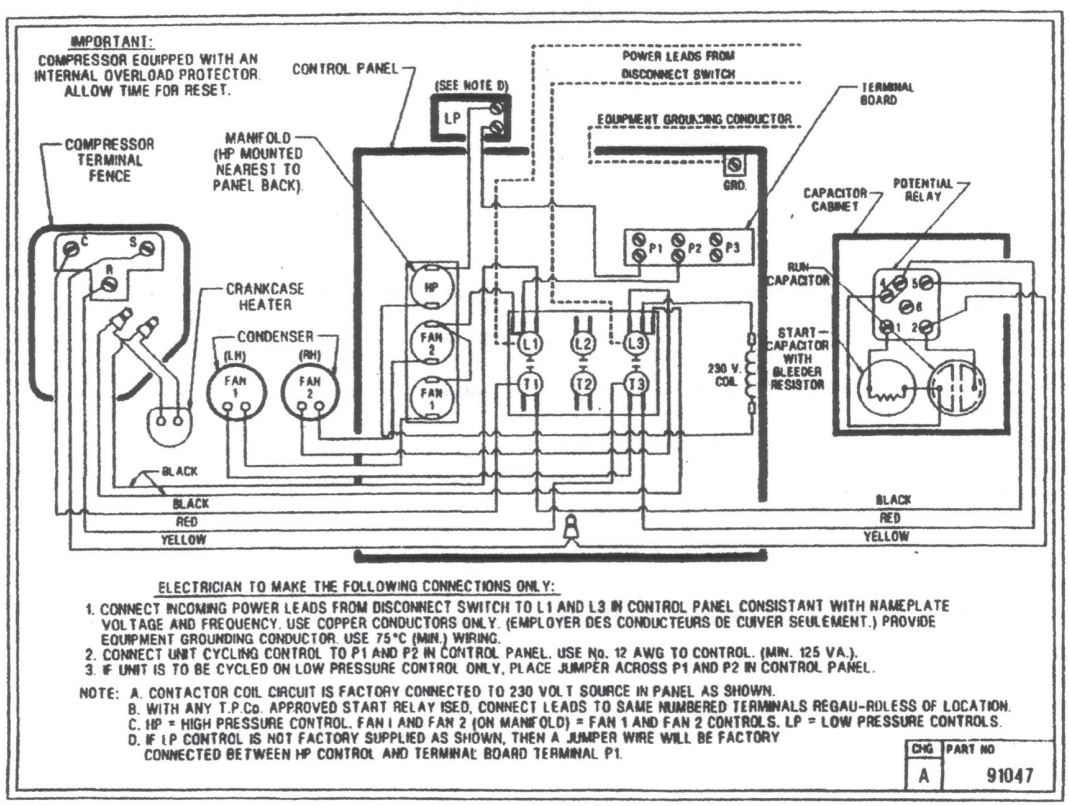
*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections C= Compression Fitting
Factory charge: 20 psig nitrogen - **MUST BE EVACUATED** **60 HZ Performance**

| Approved Evap. Range | | Ambient | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 90° F | | | 100° F | | | 110° F | | |
| °F | PSIG | BTUH | Watts | Head | BTUH | Watts | Head | BTUH | Watts | Head |
| +20 | 43.0 | 44000 | 5920 | 225 | 39400 | 6020 | 253 | 34700 | 6070 | 285 |
| 30 | 54.8 | 55000 | 6570 | 240 | 50000 | 6720 | 267 | 45100 | 6920 | 297 |
| 40 | 68.5 | 67000 | 7370 | 253 | 62500 | 7570 | 281 | 57400 | 7820 | 316 |
| 45 | 76.0 | 72000 | 7820 | 263 | 67500 | 8070 | 293 | 62100 | 8270 | 325 |
| 50 | 84.0 | 80000 | 8220 | 272 | 75000 | 8540 | 297 | 70100 | 8770 | 333 |

Date: January 2003
Unit Catalog Update

| **SPECIFICATIONS** | **AGA4572EXNXM** |
|---|---|
| Nominal Voltage | 230/208-1 |
| Unit B/M | 2A5060-9 |
| Voltage Range | 253 to 197 |
| Min. Circuit Ampacity | 47.5 |
| Max. Fuse Size (Amps) | 80 |
| **Compressor Model** | **AGA5568EXN** |
| Comp. Bill of Material | AG144ET-019 |
| RLA/LRA | 34.8/179.0 |
| ESP Overload | Internal |
| ESP Relay | P82966 |
| Capacitor Cabinet | AE1197-013 |
| Control Panel | AC1391-10 |
| Start Capacitor | 85PS330D16 |
| Rating | 130-156MFD/330V |
| Run Capacitor | 85PR440E90 |
| Rating | 55MFD/440V |
| Fan Switch (s) | 84096-1 |
| | 84096-2 |
| High Pressure Switch | 84095-1 |

| | |
|---|---|
| Control | 84026-5 (LP) |
| Contactor | 91012 (40 AMP 230V Coil) |
| Fan Motor (OEM) | 810S186B40 |
| Fan RLA | 1.90RLA |
| Replacement Motor | TFM1862 |
| Fan Motor Bracket | Grd. Mnt. |
| Fan Blade | 51528-2 (2 req) |
| Shroud | 70611-1 |
| Condenser | K42-1 |
| Fan Guard | 70832 (2 req) |
| Receiver Tank | 51082-2 |
| Receiver Tank Valve | 31585 (1/2" F) RL |
| Suction Rotolock | 31576 M-Lock 7/8" |
| O' Ring Gasket | 30234 |
| Optional Outdoor Enclosure | TP-311D |
| Crankcase Heater (If Inc) | 90699 |
| Accumulator | TK00044000 |
| Unit Drawing | SU1901-21 |
| Schematic or Elect. Drawing | 91047 |


IMPORTANT:
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
CONTROL PANEL
(SEE NOTE D)
LP
POWER LEADS FROM DISCONNECT SWITCH
EQUIPMENT GROUNDING CONDUCTOR
TERMINAL BOARD
COMPRESSOR TERMINAL FENCE
MANIFOLD (HP MOUNTED NEAREST TO PANEL BACK)
GRD.
CAPACITOR CABINET
POTENTIAL RELAY
C
S
R
P1
P2
P3
RUN CAPACITOR
5
6
1
2
CRANKCASE HEATER
HP
CONDENSER
(LH)
(RH)
FAN 1
FAN 2
FAN 2
FAN 1
L1
L2
L3
T1
T2
T3
230 V. COIL
START CAPACITOR WITH BLEEDER RESISTOR
BLACK
BLACK
RED
YELLOW
BLACK
RED
YELLOW
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1 AND L3 IN CONTROL PANEL CONSISTANT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
2. CONNECT UNIT CYCLING CONTROL TO P1 AND P2 IN CONTROL PANEL. USE No. 12 AWG TO CONTROL. (MIN. 125 VA.).
3. IF UNIT IS TO BE CYCLED ON LOW PRESSURE CONTROL ONLY, PLACE JUMPER ACROSS P1 AND P2 IN CONTROL PANEL.
NOTE: A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 VOLT SOURCE IN PANEL AS SHOWN.
B. WITH ANY T.P.Co. APPROVED START RELAY ISED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGAU-RDLESS OF LOCATION.
C. HP = HIGH PRESSURE CONTROL. FAN 1 AND FAN 2 (ON MANIFOLD) = FAN 1 AND FAN 2 CONTROLS. LP = LOW PRESSURE CONTROLS.
D. IF LP CONTROL IS NOT FACTORY SUPPLIED AS SHOWN, THEN A JUMPER WIRE WILL BE FACTORY CONNECTED BETWEEN HP CONTROL AND TERMINAL BOARD TERMINAL P1.
CHG
A
PART NO
91047

Some parts listed may be optional or listed as replacement parts.